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| Compared_Foundaria/2/iaa/5A_COMB.pep:*
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| Compared_Foundaria/2/iaa/6A_COMB.pep:*
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US-08-417-640A-1
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Patent No. 6121415
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb flc

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/899,437

PILING DATE: 24-Jul-1997

PILING DATE: 24-Jul-1997
                                                       Matches
                                                                                      Query Match
                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 47 amino acids
                                                                                                                                                                                                                                                                                                                        NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P108
TELECONAUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEFAX: 650/952-9881
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: ErbB Receptor Specific Neuregulin Related TITLE OF INVENTION: Ligands and Uses Therefor NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS: ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
                                                                        Local
                                                                                                                                            LOCATION: 1-47
IDENTIFICATION METHOD:
OTHER INFORMATION:
                                                                                                                                                                                                                              TYPE: Amino Acid
TOPOLOGY: Linear
                                                                                                                                                                                    NAME/KEY: NRG3 EGF-like LOCATION: 1-47
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1 HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL
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RESULT 3
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; Sequence 4, Application US/09126121
; Patent No. 6252051
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Patent No. 6121415
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                         GENERAL INFORMATION:
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SEQUENCE CHARACTERISTICS:
LENGTH: 47 emino acids
TYPE: Amino Acid
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REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P11
TELECOMMUNICATION INFORMATION:
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TITLE OF INVENTION: ErbB Rec
TITLE OF INVENTION: Ligands
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COMPUTER READABLE FORM:
                                                                                                                           APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
TITLE OF INVENTION: Ligands and Uses Therefor
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
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ATTORNEY/AGENT INFORMATION:
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CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: NRG3 EGF-li
LOCATION: 1-47
IDENTIFICATION METHOD:
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                                  COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION:
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                                                                                                             ADDRESSEE:
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2 San Francisco
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                                                                     1 DNA Way
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                                                                                                         Genentech, Inc.
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ErbB Receptor-Specific Neuregulin Related
                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 277; DB 3; 100.0%; Pred. No. 2.2e-26;
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Best Local :
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GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
TITLE OF INVENTION: Ligands and Uses Therefor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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APPLICATION NUMBER: US/09/
FILING DATE: 30-Jul-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
                                                                                                                                    APPLICATION NUMBER: US/0:
FILING DATE: 30-Jul-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM: MEDIUM TYPE: 3.5 inc.
                                                                   NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES:
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                                                                                                                                                                                                                                             MEDIUM TYPE: 3.5 inch, 1.44 Mb
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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IDENTIFICATION METHOD:
OTHER INFORMATION:
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Tross: Amino Acid
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COMPUTER: II
                                                 TELEPHONE:
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                                                     650/225-2066
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ENGTH: 47 amino acids

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Matches

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; TYPE: PRT; ORGANISM: Mus musculus US-09-553-769-6
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APPLICANT: Harari, Daniel
APPLICANT: Harari, Daniel
APPLICANT: Yarden, Yosef
TITLE OF INVENTION: NOVEL GROWTH FACTOR WHICH ACTS THROUGH BrbB-4 RECEPTOR TYROSINE
TITLE OF INVENTION: SEQUENCES ENCODING SAME AND USES THEREOF
FILE REFERENCE: 00/20522
CURRENT APPLICATION NUMBER: US/09/553,769
CURRENT FILING DATE: 2000-04-21
NUMBER OF SEQ ID NOS: 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 7, Application US/08899437
Patent No. 6121415
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches 47;
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Best Local Similarity
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APPLICANT: Godows
                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
DAPLICATION NUMBER: US/08/899,437
FILING DATE: 24-Jul-1997
                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
TITLE OF INVENTION: Ligands and Uses Therefor
NUMBER OF SEQUENCES: 23
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
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                                                                                                                                                                                                                                                                                                    STREET: 1 DNA Way
CITY: South San Francisco
                                                             CLASSIFICATION: 435
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                                                                                                                                                                                                                                                                                 California
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Pred. No. 2.3e-26;
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    Query Match
Best Local Similarity
Thes 47; Conserv
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                                                                                                      US-09-126-121-7
                                                                                                                                                                                                                                        INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 360 amino
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Patent No. 6252051
GENERAL INFORMATION:
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TELEPAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
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NAME/KEY: hNRG3 extracy
LOCATION: 1-360
IDENTIFICATION METHOD:
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                          NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P11
TELECOMMUNICATION INFORMATION:
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SOFTWARE: WinPatin (Genentecn)
CURRENT APPLICATION DATA:
CURRENT APPLICATION US/99/126,121
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
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                                                                                                                                                                NAME/KEY:
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CITY: South San Francisco
                                                                                                                     IDENTIFICATION METHOD: OTHER INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 360 amino acids
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                       100.0%; Score 277; DB 3; ilarity 100.0%; Pred. No. 1.8e-25; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong VENTION: ErbB Receptor-Specific Neuregulin Related
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                                                                Length 360;
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US-08-899-437-3
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US-09-126-121-3
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Patent No. 6121415
GENERAL INFORMATION:
                                                                                                                                                                                                         Sequence 3, Application US/09126121
Patent No. 6252051
                                                                                                                                                                                                                                                                                                                                                                                                                           Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local 9
                                                                                     PATERL NO. CAPTON:
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhan
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhan
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin
TITLE OF INVENTION: Ligands and Uses Therefor
'THOUSE OF SECUENCES: 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US/08/899,437
APPLICATION NUMBER: US/08/899,437
FILING DATE: 24-Jul-1997
CLASSIFICATION: 435
AFTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 3:
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MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
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TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
TITLE OF INVENTION: Ligands and Uses Therefor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                          NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
  STREET: 1 DNA nu,
CITY: South San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IDENTIFICATION METHOD: OTHER INFORMATION:
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GENERAL INFORMATION:
APPLICANT: GOCOWS
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COMPUTER READABLE FORM:

CMEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatin [Genentech]

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/126,121

FILING DATE: 30-Jul-1998

CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION UNMESR: US/08/899,437
FILING DATE: 24-Jul-1997
CLASSIFICATION: 435
CLASSIFICATION: 435
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INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 362 amino acids
TYPE: Amino Acid
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
TITLE OF INVENTION: Ligands and Uses Therefor
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P10
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
                                                       NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
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IDENTIFICATION METHOD:
OTHER INFORMATION:
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p. 6121415
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l Similarity 100.0%;
47; Conservative 0;
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RESULT 12
US-08-899-437-2
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INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 696 amino acids
TYPE: Amino Acid
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US-09-126-121-23
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Matches 47
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Patent No. 625205
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MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: 1BM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTMARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/126,121
FILING DATE: 30-Jul-1998
                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1D1
TELECOMMUNICATION INFORMATION:
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ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong TITLE OF INVENTION: ExbB Receptor-Specific Neuregulin Related TITLE OF INVENTION: Ligands and Uses Therefor NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                           OTHER INFORMATION:
                                                                                                                                                                                                                                        LOCATION: 1-696
IDENTIFICATION METHOD:
                                                                                                                                                                                                                                                                         NAME/KEY: Human NRG3B2
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IDENTIFICATION METHOD:
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE:
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                                                                 286 HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 332
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47; Conserv
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                                                                                                                                   100.0%; Score 277; DB 3; ilarity 100.0%; Pred. No. 3.5e-25; Conservative 0; Mismatches 0;
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                                                                                                                                                                    Length 696;
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US-09-126-121-2
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TELEPAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 713 amino acids
TYPE: Amino Acid
                                                                                                                                                                                                                                                                                                                               Sequence 2, Application US/09126121
Patent No. 6252051
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
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Best Local
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GENERAL INFORMATION:
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                                   COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                     APPLICANT: Godowski, Paul J., Mark, Melanie Rose, TITLE OF INVENTION: ErbB Receptor-Specific Neuregu TITLE OF INVENTION: Ligands and Uses Therefor NUMBER OF SEQUENCES: 23
ADDRESS:
SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION:
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CURRENT APPLICATION DATA:
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                                                                                                                                                                 STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: Mouse NRG3 (mNRG3)/amino acid seq.
LOCATION: 1-713
IDENTIFICATION METHOD:
OTHER INFORMATION:
                                                                                                                            ZIP:
                                                                                                                                         COUNTRY:
                                                                                                                                                                                                    ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/0 FILING DATE: 24-Jul-1997 CLASSIFICATION: 435
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BrbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor
                                                                                                                                                                                                                                                                                                         ErbB Receptor-Specific Neuregulin
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CLASSIFICATION: ATTORNEY/AGENT INFORMATION:

FILING DATE: APPLICATION NUMBER:

30-Jul-1998

US/09/126,121

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DENTIFICATION METHOD:
OTHER INFORMATION:
US-09-126-121-2
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Patent No. 6121415
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TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 6:
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                                                                                                                         SEQUENCE CHARACTERISTICS:
LENGTH: 720 amino acids
TYPE: Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIIM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related TITLE OF INVENTION: Ligands and Uses Therefor NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/08/899,437
FILING DATE: 24-UNI-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: p1084R1
                                                                                                                                                                                                                                                   TELECOMMUNICATION INFORMATION:
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STATE: Californi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1
IDENTIFICATION METHOD: OTHER INFORMATION:
                                       NAME/KEY: hNRG3B1 amino acid sequence LOCATION: 1-720
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Pred. No. 3.6e-25;
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Patent No. 6252051
GENERAL INFORMATION:
                                                                                                                                      Matches
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SEQUENCE CHARACTERISTICS:
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APPLICATION NUMBER: US.
PILING DATE: 30-Jul-199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOCTWARE: Windelin (Genentech)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao TITLE OF INVENTION: BrbB Receptor-Specific Neuregulin Related TITLE OF INVENTION: Ligands and Uses Therefor NUMBER OF SEQUENCES: 23
                                                                                                                                                                                                                                                                                                                                                                                                                                   TELECOMMUNICATION INFORMATION
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                       LOCATION: 1-720
IDENTIFICATION METHOD:
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Conley, Deirdre L
REGISTRATION NUMBER: 36
REFERENCE/DOCKET NUMBER:
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CITY: South San Francisco
STATE: California
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                                                                   286 HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 332
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1: /cgn2 6/ptodata/2/pubpaa/USO7_PUBCOMB.pep:*

2: /cgn2 6/ptodata/2/pubpaa/USO5_NEW PUB.pep:*

3: /cgn2 6/ptodata/2/pubpaa/USO5_NEW PUB.pep:*

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5: /cgn2 6/ptodata/2/pubpaa/USO5_NEW PUB.pep:*

6: /cgn2 6/ptodata/2/pubpaa/USO5_NEW PUB.pep:*

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7: /cgn2 6/ptodata/2/pubpaa/USO5_PUBCOMB.pep:*

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Copyright (c) 1993 - 2004 Compugen Ltd
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US-10-215-862-8
US-10-205-862-8
US-10-609-370-2
US-10-609-370-2
US-10-609-370-2
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US-10-13-653-7
US-10-215-862-7
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| US-09-817-647-23
| US-09-817-647-23
| US-09-817-647-2
| US-09-817-647-2
| US-09-817-647-65-66
| US-09-916-668-14
| US-10-136-573A-14
| US-10-136-573A-14
| US-10-136-573A-14
| US-09-916-668-15
| US-09-916-668-16
| US-09-917-6471-15
| US-10-082-747A-9
| US-10-082-747A-10
Sequence 3, Appli Sequence 2, Appli Sequence 23, Appli Sequence 24, Appli Sequence 2, Appli Sequence 2, Appli Sequence 2, Appli Sequence 6, Appli Sequence 14, Appli Sequence 17, Appli Sequence 17, Appli Sequence 18, Appli Sequence 17, Appli Sequence 18, Appli Sequence 17, Appli Sequence 16, Appli Sequence 17, Appli Sequence 17, Appli Sequence 16, Appli Sequence 17, Appli Sequence 18, Appli Sequence 15, Appli Sequence 16, Appli Sequence 17, Appli Sequence 17, Appli Sequence 18, Appli Sequence 18, Appli Sequence 19, Appli
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                                                                                            ; SEQUENCE DESCRIPTION: SEQ ID NO: 4: US-09-817-647-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 4, Application US/09817647
Patent No. US20020082229A1
GENERAL INFORMATION:
                                            Query Match
Best Local Similarity
Matches 47; Conserv
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INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: 13 C compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/817,647
FILING DATE: 26-Mar-2001
CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                  APPLICATION NUMBER: 09/107,979
RILING DATE: «Unknown»
ATTORNEY/AGENT INPORMATION:
NAME: Conley, Delidre L.
REGISTRATION UNIMBER: 36,487
REGISTRATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
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TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor
                                                                                                                                                                   FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         104
             1 HFKPCRDKDLAYCLINDGECFVIETLIGSHKHCRCKEGYQGVRCDQFL 47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STREET: 1 DNA WAY
CITY: South San Fra
STATE: California
COUNTRY: USA
HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 47
                                                                                                                  LOCATION: 1-47
IDENTIFICATION METHOD:
OTHER INFORMATION:
                                                                                                                                                   NAME/KEY:
                                                                                                                                                                            TOPOLOGY: Linear
                                                                                                                                                                                          TYPE: Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 94080
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                                       100.0%; but
100.0%; Pri
                                                                                                                                           MRG3 EGF-like domain/amino acid seq
1-47
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US-09-795-686-33

US-09-795-686-33

US-09-946-807-33

US-09-946-807-27

US-09-95-686-27

US-09-95-668-24

US-09-795-688-26

US-09-795-688-26
                                          Score 277; DH y;
Pred. No. 2e-26;
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                                                                   Length 47;
                                              Indels
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                                            Gaps
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US-09-877-665-4
Sequence 4, Application US/09877665
Patent No. US20020164680A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE DESCRIPTION: SEQ ID NO: 8: US-09-817-647-8
                                                                                                                                                                                                                                                                                          RESULT 3
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PATENT NO. US20020082729A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor
                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO: 8:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/107,979

FILING DATE: Unknown>
FILING DATE: Unknown>
ATTORNEY/AGENT INFORMATION:
NAMS: Conley, Deitdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1
TELECHONE: 650/252-2066
TELECHONE: 650/252-2066
                                                                                                                                       APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLB OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
LENGTH: 47 amino acids
                                                                                                 CORRESPONDENCE ADDRESS:
                                                                                                                       NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                  47;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US/09/817,647
FILING DATE: 26-Mar-2001
CLASSIFICATION: Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: WinPatin (Genentech)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: South San F:
STATE: California
COUNTRY: USA
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                    CITY: South San Francisco
STATE: California
                                                          ADDRESSEE: Genentech, Inc
STREET: 1 DNA Way
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 277; DB 9;
100.0%; Pred. No. 2e-26;
... Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NRG3 EGF-like domain/amino acid seq.
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BER: P1084R1-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 9; Length 47;
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RESULT 4
US-09-877-665-8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 8, Application US/09877665

Patent No. US20020164680A1

GENERAL INFORMATION:

APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 100.
Matches 47; Conservative
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REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1-1
REFERENCE/DOCKET NUMBER: P1084R1-1
RELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
ITELEPHONE: 650/225-20881
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: WinPatin (Genentech) CURRENT APPLICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/109,206
FILING DATE: 30-Jun-1998
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/09/109,206
FILING DATE: 30-Jun-1998
ATTORNEY/AGENT INFORMATION:
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COMPUTER READABLE FORM:
""" TYPE: 3.5 i:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES:
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                                                                                                                                APPLICATION NUMBER: US/09/877,665
FILING DATE: 08-Jun-2001
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HEKECRDKDLAYCLNDGECEVIETLIGSHKHCRCKEGYQGVRCDQFL 47
                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US/09/877,665
FILING DATE: 08-Jun-2001
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                           ZIP: 94080
                                                                                                                                                                                                                                                                                                                                                                   COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                       STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     IDENTIFICATION METHOD:
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: NRG3 EGF-like domain/amino acid LOCATION: 1-47
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ENGTH: 47 amino acids
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Pred. No. 2e-26;
Mismatches
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APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands and
TITLE OF INVENTION: Uses Therefor
FILE REFERENCE: P1084R1C2
CURRENT FILING DATE: 2002-04-29
PRIOR APPLICATION NUMBER: US 09/480,977
RRIOR FILING DATE: 2000-01-11
PRIOR FILING DATE: 2000-01-11
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR APPLICATION NUMBER: US 60/052,019
SEQ ID NO 4
LENGTH: 47
TYPE: PRT
CRGANISM: Homo sapiens
US-10-136-573A-4
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                                                                                                                                                                                                           RESULT 6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-136-573A-4
                                                                                                                         Sequence 8, Application US/10136573A
Publication No. US20020161200A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                           Query Match 100.
Best Local Similarity 100.
Matches 47; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie Rose
APPLICANT: Zhang, Dong Xiao
TITLE OP INVENTION: BrbB Receptor-Specific Neuregulin Related Ligands and
TITLE OP INVENTION: Uses Therefor
FILE REFERENCE: P1084R1C2
CURRENT APPLICATION NUMBER: US/10/136,573A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie Ro
APPLICANT: Zhang, Dong Xiao
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 47 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local
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                                                                                                                                                                                                                                                                   HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL
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IDENTIFICATION METHOD:
OTHER INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: 650/952-9881
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Pred. No. 2e-26;
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Pred. No. 2e-26;
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CURRENT FILING DATE:

2002-04-29

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FILE REFERENCE: $1084%1D2C1
CURRENT APPLICATION NUMBER: US/10/215,862
CURRENT FILING DATE: 2002-09-24
PRIOR APPLICATION NUMBER: US 09/126,663
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1998-07-24
PRIOR FILING DATE: 1997-07-24
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
NUMBER OF SEQ ID NOS: 23
SEQ ID NO 4
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Sequence 3, Application US/10215862

Publication No. US20030036166A1

GENERAL INFORMATION:

APPLICANT: Godowski, Paul J.

APPLICANT: Mark, Melanie Rose
APPLICANT: Zhang, Dong Xiao

TITLE OF INVENTION: BrbB Receptor-Specific Neuregulin Related Ligands
TITLE OF INVENTION: Uses Therefor

TILE REFERENCE: P1084R1D2C1

CURRENT APPLICATION NUMBER: US/10/215,862

CURRENT FILING DATE: 2002-09-24

PRIOR APPLICATION NUMBER: US 09/126,663

PRIOR FILING DATE: 1998-07-50
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Best Local Similarity
Matches 47; Conserv
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: US 09/480,977
PRIOR FILLING DATE: 2000-01-11
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILLING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILLING DATE: 1997-07-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Mark, Melanie Rose
APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: Erbs Receptor-Specific Neuregulin Related Ligands and
TITLE OF INVENTION: Uses Therefor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie Ro
APPLICANT: Zhang, Dong Xiao
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH:
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                                                                                                                                                                                                                                                                                                                                                                                           1 HFKPCRDKDLAYCLNDGSCFVLBTLTGSHKHCRCKEGYQGVRCDQPL 47
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100.0%; Pred. No. 3
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RESULT 10 US-10-609-370-2

Sequence 2, Application US/10609370 Publication No. US20040048295A1 GENERAL INFORMATION:

APPLICANT: Young et al.
TITLE OF INVENTION: Heregulin-Like Factor
FILE REFERENCE: PF383D1
CURRENT APPLICATION NUMBER: US/10/609,370
CURRENT FILING DATE: 2003-07-01
PRIOR APPLICATION NUMBER: 09/097,681
PRIOR FILING DATE: 1998-06-16
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/049,942
PRIOR FILING DATE: 1997-06-17
NUMBER OF SEQ ID NOS: 22

; TYPE: PRT ; ORGANISM: Homo sapiens US-10-609-370-2

SOFTWARE: PatentIn SEQ ID NO 2

ENGTH: 157

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                                                                                                                                             ; TYPE: PRT ; ORGANISM: Mus musculus US-10-240-411-6
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US-10-240-411-6
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                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 6, Application US/10240411 Publication No. US20040121326A1 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 100.0%;
Best Local Similarity 100.0%;
Matches 47; Conservative 0.
                                                                                                                                                                                                                     SOFTWARE: PatentIn version 3.0 SEQ ID NO 6
                                                                        Matches
                                                                                                                                                                                                                                                                      APPLICANT: Yarden, Yosef
TITLE OF INVENTION: NOVEL GROWTH FACTOR WHICH ACTS THROUGH ERB B-4 RECEPTOR TYROSI
TITLE OF INVENTION: SEQUENCES ENCODING SAME AND USES THEREOF
PILE REFERENCE: 01/21918
CURRENT APPLICATION NUMBER: US/10/240,411
CURRENT FILING DATE: 2003-05-16
PRIOR APPLICATION NUMBER: US 09/553,769
PRIOR FILING DATE: 2000-04-21
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APPLICANT: Yarden, Yosef
                                                                                                                                                                                                                                                           NUMBER OF SEQ ID NOS: 20
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ORGANISM: Homo sapiens
                                                                                                                                                                                                    LENGTH:
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                                                            Local Similarity 100.0%; tes 47; Conservation
                     1 HEKPCRDKDIAYCIANDGECFVIETLIGSHKHCRCKEGYQGVRCDQFL
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                                                                                      Score 277;
Pred. No. 2
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Pred. No. 2e-26;
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                                                                        Mismatches
                                                                                          2e-26;
                                                                                                           DB 16;
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                                                                                                           Length 48;
                                                                        Indels
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Ligands and Uses Therefor

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RESULT 12
US-09-877-665-7
; Sequence 7, Application US/09877665
; Patent No. US20020164680A1
; GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
; TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
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US-09-817-647-7
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Best Local S
Matches 47
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Patent No. US20020082229A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong
TITLE OF INVENTION: BrbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO: 7:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFFWARE: WinDatin (Genentech)

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/817,647

FILING DATE: 26-Mar-2001

CLASSIFICATION NUMBER: 09/107,979

PRIOR APPLICATION NUMBER: 09/107,979

PILING DATE: *CHARDOWN*

APPLICATION NUMBER: 05/107,979

APPLICATION NUMBER: 05/107,979

FILING DATE: *CHARDOWN*

APPLICATION NUMBER: 05/107,979

FILING DATE: *CHARDOWN*

AFTERRENCE/DOCKET NUMBER: 15.4487

REGISTRATION NUMBER: 36,4487

REFERENCE/DOCKET NUMBER: P1084R1-2

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:
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CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                        286 HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 332
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                                                                                                                                                                                                                                                                                                                                                                             ch 100.0%;
1 Similarity 100.0%;
47; Conservative 0;
                                                                                                                                                                                                                                                                                                                    1 HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 47
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   IDENTIFICATION METHOD:
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: hNRG3 extracellular domain/Amino AcidSeq LOCATION: 1-360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY: USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: South San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: Genentech, Inc. STREET: 1 DNA Way
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: 650/952-9881
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                                                                                                                                                                                                                                                                                                                                                                             Score 277; DB 9;
Pred. No. 1.6e-25;
Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                          Length 360;
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SEQ ID NO 7
LENGTH: 360
TYPB: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 7, Application US/10136573A
Publication No. US20020161200A1
GENERAL INFORMATION:
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Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
                                                                                       PRIOR PPLICATION NUMBER: US 09/480,977
PRIOR FILING DATE: 2000-01-11
PRIOR PPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR PILING DATE: 1997-07-09
PRIOR FILING DATE: 1997-07-09
                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie Rose
APPLICANT: Zhang, Dong Xiao
                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/10/136,573A CURRENT FILING DATE: 2002-04-29
                                                                                                                                                                                                                                                                                      APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands
TITLE OF INVENTION: Uses Therefor
FILE REFERENCE: P1084R1C2
                                                                        NUMBER OF SEQ ID NOS: 23
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(CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/877,665

EILING DATE: 08-Jun-2001

CLASSIFICATION: «Unknown»

PRIOR APPLICATION DATA:

APPLICATION UNUMBER: US/09/109,206

FILING DATE: 30-Jun-1998

ATTORNSY/AGENT INFORMATION:

NAME: Conley, Deirdre L.

REGISTRATION INFORMATION:

REGISTRATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ZIP: 94080
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 360 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSEE: Genente
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               286 HFKPCRDKDLAYCINDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 332
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ch 100.0%; Score 277; DB 9; Similarity 100.0%; Pred. No. 1.6e-25; 47; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: WinPatin (Genentech)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: South San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: 650/952-9881
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET: 1 DNA Way
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          THER INFORMATION:
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US-09-817-647-3
US-09-817-647-3
; Sequence 3, Application US/09817647
; Sequence 3, Application US/09817647
; Patent No. US2002008229A1
; PATENT INFORMATION: Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
; APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
; TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
; TITLE OF INVENTION: Application Uses Therefor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; LENGTH: 360
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-215-862-7
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US-10-215-862-7
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Publication No. US20030036166A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQ ID NO 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands and TITLE OF INVENTION: Uses Therefor FILE REPERENCE: P1084R1D2C1
CURRENT APPLICATION NUMBER: US/10/215,862
CURRENT FILING DATE: 2002-09-24
PRIOR APPLICATION NUMBER: US 09/126,663
PRIOR FILING DATE: 1998-07-30
PRIOR PILING DATE: 1998-07-30
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-09
PRIOR FILING DATE: 1997-07-09
PRIOR FILING DATE: 1997-07-09
PRIOR PILING DATE: 1997-07-09
PRIOR PILING DATE: 1997-07-09
PRIOR PILING DATE: 1997-07-09
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local
                 COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION UNMBER: US/09/817,647
FILING DATE: 26 Mar-2001
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
PRIOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           286 HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 332
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    l Similarity
47; Conserv
                                                                                                                                                                                                                                                                                   CITY: South San Fr
STATE: California
                                                                                                                                                                                                                                                                                                                                      STREET: 1 DNA Way
                                                                                                                                                                                                                                                               COUNTRY: USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 277; DB 14; ilarity 100.0%; Pred. No. 1.6e-25; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                        94080
                                                                                                                                                                                                                                                                                                             Francisco
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                              FEATURE:
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; SEQUENCE DESCRIPTION: SEQ ID NO: US-09-817-647-3
                                                         Query Match
Best Local Similarity
Matches 47; Conserv
                                                                                                                                                                                                                                                                                                                       TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 3:
                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
LENGTH: 362 amino acids
TYPE: Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 09
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                      FEATURE:
                                                                                                                                                                                                                                                                                                                                                          TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
288 HFKPCRDKDLAYCLNDGBCFVIETLTGSHKHCRCKEGYQGVRCDQFL 334
                       1 HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 47
                                                                                                                                                                                                                                                                                                                                                                                      NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1-2
                                                                                                                                                                                  LOCATION: 1-362
IDENTIFICATION METHOD:
                                                                                                                                                                     OTHER INFORMATION:
                                                                                                                                                                                                                      NAME/KEY:
                                                                                                                                                                                                                                                      TOPOLOGY: Linear
                                                                    Conservative
                                                                                 100.0%;
                                                                                                                                                                                                                      mNRG3 extracellular domainAmino acid
                                                                    0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               09/107,979
                                                                                    Score 277; DB 9;
Pred. No. 1.6e-25;
                                                                    Mismatches
                                                                                                                                                       w
                                                                                                    Length 362;
                                                                      Indels
                                                                        0
                                                                      Gaps
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RESULT 16
US-09-877-665-3
US-09-877-665-3
; Sequence 3, Application US/09877665
; Patent No. US20020164680A1
; GENERAL INFORMATION:
; APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
; TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESSE:
; ADDRESSE: Genentech, Inc.

NUMBER OF SEQUENCES: 23

CORRESPONDENCE ADDRESS:
ADDRESSE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY USA
ZIF: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Windatin (Genentech)
APPLICATION UNMBER: US/09/877,665
FILING DATE: 08-7un-2001
CLASSIFICATION: CURknown>
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/109,206
FILING DATE: 30-JUN-1998
ATTORNEY/AGENT INFORMATION:
NAME: CON1ey, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: 91084R1-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
TELEPHONE: 650/225-2066
TELEPHONE: 650/252-9881
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 362 amino acids
TYPE: Amino Acid

TOPOLOGY: Linear RB: NAME/KBY: mNRG3 extracellular domainAmino acid seq

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GENERAL INFORMATION:
APPLICANT: Goldowski, Paul J.
APPLICANT: Goldowski, Paul J.
APPLICANT: Goldowski, Paul J.
APPLICANT: Goldowski, Paul J.
APPLICANT: Shang, Dong Xiao
ITILE OF INVENTION: ExbB Receptor-Specific Neuregulin Related Ligands and
TITLE OF INVENTION: Uses Therefor
FILE REFERENCE: P1064R1D2C1
CURRENT APPLICATION NUMBER: US/10/215,862
CURRENT FILING DATE: 1998-07-30
PRIOR APPLICATION NUMBER: US 09/126,663
PRIOR APPLICATION NUMBER: US 09/899,437
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR FILING DATE: 1997-07-25
PRIOR FILING DATE: 1997-07-24
PRIOR FILING DATE: 1997-07-25
PRIOR FILING DATE: 1997-07-29
PRIOR PRIOR FILING DATE: 1997-07-29
PRIOR FILING DATE: 1997-07-29
PRIOR FILING DATE: 1997-07-09
PRIOR PRIOR
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LENGTH: 362
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Publication No. US20020161200A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 3, Application US/10215862 Publication No. US20030036166A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
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CURRENT FILING DATE: 2002-04-29
PRIOR APPLICATION NUMBER: US 09/480,977
PRIOR FILING DATE: 2000-01-11
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR PILING DATE: 1997-07-24
PRIOR PILING DATE: 1997-07-09
PRIOR PILING DATE: 1997-07-09
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APPLICANT: Mark, Melanie Rose
APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: ExbB Receptor-Specific Neuregulin Related Ligands and
TITLE OF INVENTION: Uses Therefor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQ ID NOS: 23
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OTHER INFORMATION:
SEQUENCE DESCRIPTION: SEQ ID NO:
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US-09-817-647-23
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Patent No. US20020082229A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local (
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INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
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MEDIUM TYPE: 3.5 inch, 1.44 Mb flops

MEDIUM TYPE: 3.5 inch, 1.44 Mb flops

MEDIUM TYPE: 3.5 inch, 1.44 Mb flops

COMPUTER: 1BM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatin (Genentech)

CURRENT APPLICATION NUMBER: US/09/817,647

PRIOR APPLICATION UMBER: 10known>

PRIOR APPLICATION DATA:

ORDER OF THE COMPANIE CONTROL OF THE COMPANIE COMPANIE
                                                                                                                                                 / Match 100.0%;
Local Similarity 100.0%;
nes 47; Conservative 0
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OTHER INFORMATION:
SEQUENCE DESCRIPTION: SEQ ID NO:
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REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
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FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE:
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1 HFKPCRDKDLAYCLNDGECFVIETLIGSHKHCRCKEGYQGVRCDQFL 47
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47; Conserv
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STATE: California
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STREET: 1 DNA Way
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                                                                                                                                             Score 277; DB 9;
Pred. No. 3.1e-25;
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RESULT 20 US-09-877-665-23 Sequence 23, Application US/09877665 Patent No. US20020164680A1

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RESULT 21
US-10-136-573A-23
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Best Local :
                                                                                                                  APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands and
TITLE OF INVENTION: Uses Therefor
FILE REFERENCE: P1084R1C2
CURRENT APPLICATION NUMBER: US/10/136,573A
CURRENT FILING DATE: 2002-04-29
PRIOR APPLICATION NUMBER: US 09/480,977
                                                                                                                                                                                                                                              APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie Rose
APPLICANT: Zhang, Dong Xiao
                                       PRIOR FILING DATE: 2000-01-11
PRIOR PELICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
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NAME: Conley, Delrdre L.
NAME: Conley, Delrdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P108
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/252-2066
TELEPAX: 650/952-9881
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/877,665
FILING DATE: 08-Jun-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/052,019
FILING DATE: 1997-07-09
R OF SEQ ID NOS: 23
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OTHER INFORMATION:
SEQUENCE DESCRIPTION: SEQ ID NO:
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MEDIUM TYPE: 3.5 inch, 1.44 Mb |
COMPUTER: IBM PC comparible
OPERATING SYSTEM: PC-DOS/MS-DOS
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SEQUENCE CHARACTERISTICS:
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CORRESPONDENCE ADDRESS:
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TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 47
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ZIP: 94080
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STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US/09/109,206 FILING DATE: 30-Jun-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 696 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: Genentech, Inc
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Godowski,
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1 can Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Pred. No.
100.0%; Pred. No.
100.0%; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human NRG3B2
1-696
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      23:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  inch, 1.44 Mb floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 277; DB 9;
Pred. No. 3.1e-25;
); Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          P1084R1-1
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; TYPE: PRT ; ORGANISM: Homo sapiens US-10-215-862-23
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; ORGANISM: Homo sapiens
US-10-136-573A-23
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                                                                                                                                                                                                                                                                                                                                                            Sequence 2, Application US/09817647
Patent No. US20020082229A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
NUMBER OF SEQ ID NOS: 23
SEQ ID NO 23
SEQ ID NO 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 23, Appropriate Publication No.
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILE REFERENCE: P1084R1D2C1
CURRENT APPLICATION NUMBER: US/10/215,862
CURRENT FILING DATE: 2002-09-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION NUMBER: US 09/126,663
PRIOR FILING DATE: 1998-07-30
PRIOR APPLICATION NUMBER: US 08/899,437
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: BrbB Receptor-Specific Neuregulin Related Ligands and
TITLE OF INVENTION: Uses Therefor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie Rose
APPLICANT: Zhang, Dong Xiao
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local
                 SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor
                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           286 HPKPCRDKDLAYCLADGECFVIETLIGSHKHCRCKEGYQGVRCDQFL 332
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       l Similarity
47; Conserv
                                                                                                                                                                             ADDRESSEE: Genentech, Inc
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
                                                                                                                                          COUNTRY: USA
ZIP: 94080
APPLICATION NUMBER: US/09/817,647
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Application US/10215862
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Silarity 100.0%; P
Conservative 0;
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                                                                                                                                                                                                                                          Genentech, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 277; DB 14; 100.0%; Pred. No. 3.1e-25; +ive 0: Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 277; DB 13;
Pred. No. 3.1e-25;
; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 696;
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PRIOR APPLICATION DATA

FILING DATE: 26 CLASSIFICATION:

26-Mar-2001

<Unknown>

APPLICATION NUMBER: 09/107,979 FILING DATE: <Unknown>

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RESULT 24
US-09-877-665-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
Matches 47; Conserv
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INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
                                                           INFORMATION FOR SEQ ID NO: 2:
                                                                                                                                                       APPLICATION NUMBER: US/09/877,665

PILING DATE: 08-Jun-2001

CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/109,206
PILING DATE: 30-Jun-1998
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REGISTRATION NUMBER: 36,487
REGISTRATION NUMBER: 36,487
                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC compatible operating SYSTEM: PC-DOS/MS-DOS SOPTMARE: WinPatin (Genentech) CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM: MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFERENCE/DOCKET NUMBER: P1084R1-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
                                                                                                                      REFERENCE/DOCKET NUMBER: TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE DESCRIPTION: SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FEATURE
                                       SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        288 HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 334
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LENGTH: 713 amino acids TYPE: Amino Acid
                                                                                                     TELEPHONE: 650/225-2066
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: South San F. STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STREET: 1 DNA Way
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Application US/09877665
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 713 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ZIP: 94080
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                                                                            FELBFAX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   USA
                                                                               650/952-9881
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1-713
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Pred. No. 3.2e-25;
Mismatches 0;
                                                                                                                                              P1084R1-1
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GENERAL INFORMATION:

APPLICANT: Godowski, Paul J.

APPLICANT: Zhang, Dong Xiao

ITILE OF INVENTION: Uses Therefor

FILE REFERENCE: P1084R1D2C1

CURRENT APPLICATION NUMBER: US/10/215,862

CURRENT FILING DATE: 2002-09-24

PRIOR APPLICATION NUMBER: US 09/126,663

PRIOR APPLICATION NUMBER: US 09/126,663

PRIOR FILING DATE: 1998-07-30

PRIOR FILING DATE: 1998-07-30

PRIOR FILING DATE: 1997-07-24

PRIOR APPLICATION NUMBER: US 60/052,019

PRIOR APPLICATION NUMBER: US 60/052,019

PRIOR FILING DATE: 1997-07-09
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US-10-136-573A-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQ ID NOS: 23
SEQ ID NO 2
LENGTH: 713
                                                                                                                                                                                                                                                                                                                              Sequence 2, Application US/10215862
Publication No. US20030036166A1
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Publication No. US20020161200A1
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PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILE REFERENCE: P1084R1C2
CURRENT APPLICATION NUMBER: US/10/136,573A
CURRENT FILING DATE: 2002-04-29
PRIOR APPLICATION NUMBER: US 09/480,977
PRIOR FILING DATE: 2000-01-11
PRIOR APPLICATION NUMBER: US 08/899,437
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie Rose
APPLICANT: Zhang, Dong Kiao
TITLE OF INVENTION: Brbs Receptor-Specific Meuregulin Related Ligands and
TITLE OF INVENTION: Uses Therefor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT ORGANISM: Mus musculus
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 HFKPCRDKDLAYCLNDGBCFVIBTLTGSHKHCRCKEGYQGVRCDQFL 47
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 277; DB 9; 100.0%; Pred. No. 3.2e-25; rative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 277; DB 13;
100.0%; Pred. No. 3.2e-25;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mouse NRG3 (mNRG3)/amino acid seq.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                'n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 713;
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OTHER INFORMATION: SEQUENCE DESCRIPTION: SEQ ID NO: 6: US-09-817-647-6
    QQ,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; TYPE: PRT; ORGANISM: Mus musculus US-10-215-862-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; SEQ ID NO 2
; LENGTH: 713
                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION NUMBER: US/09/817,647

APPLICATION NUMBER: US/09/817,647

PILING DATE: 26-Mar-2001

CLASSIFICATION: UDrknown>
PRIOR APPLICATION DATA:

APPLICATION DATA:

APPLICATION UNTWEER: 09/107,979

FILING DATE: «UDrknown>
ATTORNEY/AGENT INFORMATION:

NAME: COD1ey, Delrâre L.

REGISTRATION NUMBER: 36,487

REFERENCE/DOCKET NUMBER: 91084R1-2

TELECHOMUNICATION UNFORMATION:

TELEPHONE: 650/929-9881

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 6, Application US/09817647
Patent No. US20020082229A1
GENERAL INFORMATION:
                                                                                       Matches
                                                                                                                               Query Match
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                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
                                                                                                                                                                                                                                                                                                          FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatin (Genentech)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES:
286 HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    288 HFKPCRDKDLAYCLNDGBCFVIETLTGSHKHCRCKEGYQGVRCDQFL 334
                                                                                     47; Conservative
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                                          1 HEKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 47
                                                                                                                                                                                                                                                           NAME/KEY:
LOCATION:
                                                                                                                                                                                                                                                                                                                                             LENGTH: 720 amino acids
TYPE: Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: South San Francisco
                                                                                                                                                                                                                                                                                                                          TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      USA
                                                                                                                                                                                                                                                                             hNRG3B1 amino acid sequence
                                                                                  100.0%; Score 277; DB 9;
100.0%; Fred. No. 3.2e-25;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 277; DB 14; 100.0%; Pred. No. 3.2e-25; tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (Genentech)
                                                                                                                           Length 720;
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                                                                                     Indels
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RESULT 28

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APPLICANT: Young et al.
APPLICANT: Young et al.
FITTLE OF INVENTION: Heregulin-Like Factor
FILE REFERENCE: PP383D1
CURRENT APPLICATION NUMBER: US/10/609,370
CURRENT FILING DATE: 1203-07-01
PRIOR APPLICATION NUMBER: 09/097,681
PRIOR APPLICATION NUMBER: 09/097,681
PRIOR APPLICATION NUMBER: 60/049,942
PRIOR FILING DATE: 199-06-17
NUMBER: OF SEQ ID NOS: 22
SOFTWARE: Patentin version 3.2
SEQ ID NO 22
                                                                                                                                                                                                                                                                                                                                                                                                     US-10-609-370-22
                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 29
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                                                                                                                                                                                                                                                                                                                       Sequence 22, Application US/10609370 Publication No. US20040048295A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 6, Application US/09877665
Patent No. US20020164680A1
GENERAL INFORMATION:
GROOWSki, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OP INVENTION: BrbB Receptor Specific Neuregulin Related
Ligands and Uses Therefor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO: 6:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Match 100.0%; Score 277; DB 9; Length 720; Local Similarity 100.0%; Pred. No. 3.2e-25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/109,206
FILING DATE: 30-Jun-1998
AITORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE DESCRIPTION: SEQ ID NO: 6:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
REFREENCE/DOCKET NUMBER: P1084R1-1
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             286 HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  47:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY:
LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US/09/877,665 FILING DATE: 08-Jun-2001 CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: South San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        IDENTIFICATION METHOD: OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 720 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEPHONE: 650/225-2066
TELEPAX: 650/952-9881
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   hNRG3B1 amino acid sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
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APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie Rose
APPLICANT: Mark, Melanie Rose
APPLICANT: Abang, Dong Xiao
TITLE OF INVENTION: BrbB Receptor-Specific Neuregulin Related Ligands and
TITLE OF INVENTION: Uses Therefor
FILI REFERENCE: P1084R1D2C1
CURRENT APPLICATION NUMBER: US/10/215,862
CURRENT FILING DATE: 2002-09-24
PRIOR APPLICATION NUMBER: US 09/126,663
PRIOR FILING DATE: 1993-07-30
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
NUMBER OF SEC ID NOS: 23
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; ORGANISM: Homo sapiens
US-10-609-370-22
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US-10-136-573A-6
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LENGTH: 720
TYPE: PRT
ORGANISM: Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 6, Application US/10215862
Publication No. US20030036166A1
GENERAL INFORMATION:
                                           SEQ ID NO 6
LENGTH: 720
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 100.0%;
Best Local Similarity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Godowski, Paul J.
APPLICANT: Godowski, Melanie Rose
APPLICANT: Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related Ligands and
TITLE OF INVENTION: Uses Therefor
FILE REFERENCE: P1084R1C2
CURRENT APPLICATION NUMBER: US/10/136,573A
CURRENT FILING DATE: 2002-04-29
PRIOR APPLICATION NUMBER: US 09/480,977
PRIOR FILING DATE: 2000-01-11
PRIOR FILING DATE: 2000-01-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: US 08/899,437
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: US 60/052,019
PRIOR FILING DATE: 1997-07-09
RUMBBER OF SEQ ID NOS: 23
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DRGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       / Match 100.0%; Score 277; DB 13; Local Similarity 100.0%; Pred. No. 3.2e-25; ses 47; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 HEKPCRDKDLAYCLANDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          286 HFKPCRDKDLAYCLNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFL 332
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Pred. No. 3.2e-25;
0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 720;
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Search completed: July 6, 2004, 11:08:50 Job time: 380 secs